BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Improvements to Roads and Drains at Chowrappa Layout in Ward No. 06, Byatarayanapura Sub Division.**

									Estimate Cost:	**700000.00**
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-3. Earth work excavation and foming in embankment by manual means in ordinary soil with initial lead upto 15m, and lift of 1.5m, (when earth Is taken from bank cutting of from borrow pits) including breaking of clods, spreading to required line and level, forming, and cost of all labour complete as per specifications. (excluding watering and compaction of earth) MORTH chapter 3. **No. 149 / Item No. 19.3/ PWD SR 2011-12**	Cum							
	Drain Desilting								
	Chowrappa Layout 1st Main Road		2	130.00	0.45	0.20	23.40		
	Cross Road		2	25.00	0.45	0.20	4.50		
	2nd Main Road		2	55.00	0.45	0.20	9.90		
	3rd Main Road		2	115.00	0.45	0.20	20.70		
	Berm Cutting								
	Chowrappa Layout 1st Main Road		2	130.00	0.90	0.20	46.80		
	Cross Road		2	25.00	1.00	0.20	10.00		
	2nd Main Road		2	55.00	0.90	0.15	14.85		
	3rd Main Road		2	115.00	1.00	0.20	45.45		
							175.60	120.96	**21241.00**
	Basic Rate	112.00							
	Area Weightage @8%	8.96							
	Total	**120.96**							
2	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per MORTH specification NO. 406, **Page No. 166 / Item No. 20.18/ PWD SR 2011-12**	Cum							
	Chowrappa Layout 1st Main Road		1	130.00	5.00	0.15	97.50		
	Cross Road		1	25.00	5.00	0.15	18.75		
	2nd Main Road		1	55.00	4.70	0.10	25.85		
	3rd Main Road		1	115.00	4.50	0.10	50.21		
							192.31	1060.56	**203956.00**
	Basic Rate	982.00							
	Area Weightage @ 8%	78.56							
	Total	**1060.56**							

Technical Sanction for Rs. 7,00,000=00
Seven Lakhs only
under P-1771 POW 11-12
registered as EE No: 67 /14-5-12 Subject to conditions contained enclosed memo.
No: 67 /12-13 / Dt. 14-5-12
EE (BTP. Div.)

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRRB 500-4: providing and applying **primer coat** from 7.5 to 9.8 kg and 9.8 to 12.2kg per 10 sqm for surfaces of low and medium porosity respectively over prepared surface of granular base with cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg per 10 sqm heated in bitumen boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications MORTH chapter 5, No. 171/ Item No. 21.4.2/ PWD SR 2011-12 Medium Porosity	Sqm							
	Chowappalo 1st Main		1	130.00	5.00		650.00		
	Cross Road		1	25.00	5.00		125.00		
	2nd Main		1	55.00	4.70		258.50		
	3rd Main		1	115.00	4.50		517.50		
							1551.25	74.47	115515.00
	Basic Rate	68.95	77.17					83.34	
	Area Weightage @ 8%	5.52							
	Total	74.47	83.34						
4	KSRRB M500-18: Providing and laying **semi dense bituminous concrete 25mm thick** with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desired compaction as per MORTH specifications clause No. 500.8 complete in all respects as per specifications. 25-30mm compacted thikness with 5% Birumen80/100grade (gradingII) P.No. 174/ Item No. 21.20.1/ PWD SR 2011-12	Cum							
	Chowappalo 1st Main		1	130.00	5.00	0.025	16.25		
	Cross Road		1	25.00	5.00	0.025	3.13		
	2nd Main Road		1	55.00	4.70	0.025	6.46		
	3rd Main Road		1	115.00	4.50	0.025	12.94		
							38.78	7866.72	305081.00
	Basic Rate	7284.00							
	Area Weightage @ 8%	582.72							
	Total	7866.72							
5	Miscesallaneous Charges								2458.00
								Total	700000.00

Seven Lakhs only
Under P1771 POW 11-12
Registered as JC(Y) No. 140 /12-13
Subject to conditions contained in enclosed memo JC(Y) No. 140 /12-13
Dt. 11/05/12 Estimate A/C sanctioned
JC/Yel/AA/12-13 No. 140
dated 11/05/12 Rs. 7,00,000.00/-
11/5/12
Joint Commissioner (Byatarayanapura)

(Rupees Seven Lakhs Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2011-12
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
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Asst. Exe. Engineer
Byatarayanapura Sub Division

Executive Engineer
Byatarayanapura Division

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore-24